## **CLAIMS**

We claim:

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1. A gastric balloon comprising:

a shell;

5 a receiver;

a valve preventing the undesired addition or elimination of fluid from the gastric balloon; and

a retractable tubing housed in said receiver and extendable from the stomach of a patient to the mouth of the patient, wherein said shell is inflated and deflated from outside the body of the patient via said retractable tubing.

- 2. The gastric balloon of claim 1 wherein said retractable tubing is formed in one or more spirals.
- 3. The gastric balloon of claim 1 wherein said retractable tubing is formed in a coil.
- 15 4. The gastric balloon of claim 1 wherein said retractable tubing is fluidly connected to the shell via an interface.
  - 5. The gastric balloon of claim 1 wherein said receiver is formed in said shell.
- 6. The gastric balloon of claim 1 wherein said receiver is a molded valve patch.
  - 7. The gastric balloon of claim 6 wherein said molded valve patch is bonded to said shell.
  - 8. The gastric balloon of claim 1 wherein said receiver divides said shell substantially into two hemispheres.
- 9. The gastric balloon of claim 8 where said retractable tubing is housed in said receiver by wrapping said tubing around a small diameter portion of said shell formed by said receiver.
  - 10. The gastric balloon of claim 1 wherein said retractable tubing is formed of a material having a memory to return said tubing to the proper shape for housing in said receiver.
  - 11. The gastric balloon of claim 1 wherein said retractable tubing is formed of a soft material comprising a radial spring.

12. The gastric balloon of claim 1 wherein said retractable tubing is formed of a semi-rigid material having a memory to return said tubing to the proper shape for housing in said receiver.

- The gastric balloon of claim 1 wherein said retractable tubing
  comprises a shape memory alloy to return said tubing to the proper shape for housing in said receiver.
  - 14. The gastric balloon of claim 1 further comprising a cap for sealing said receiver.
- 15. The gastric balloon of claim 1 further comprising a torsionally loaded axle, wherein said torsionally loaded axle resists removal of said retractable tubing from said receiver and returns said retractable tubing to said receiver for housing.
  - 16. The gastric balloon of claim 15 wherein said torsionally loaded axle is located vertically with respect to said receiver.
- 17. The gastric balloon of claim 15 wherein said torsionally loaded axle is located horizontally with respect to said receiver.
  - 18. The gastric balloon of claim 15 wherein said torsionally loaded axle includes a pre-grooved surface for accommodating said retractable tubing.
    - 19. The gastric balloon of claim 1 wherein said valve is a slit valve.
    - 20. The gastric balloon of claim 1 wherein said valve is a septum.
  - 21. A method of adjusting the volume of fluid in an implanted gastric balloon comprising the steps of:

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inserting a gastroscopic tool into the stomach of a patient having a gastric balloon implanted therein;

grasping an end of a retractable tubing housed in a receiver of the gastric balloon;

withdrawing at least a portion of the retractable tubing from the stomach and out of the patients mouth; and

adding fluid to or removing fluid from the gastric balloon via the retractable tubing withdrawn from the patient.

- 30 22. The method of claim 21 wherein the fluid is added to or removed from the gastric balloon using a syringe and needle.
  - 23. The method of claim 22 wherein the needle pierces a septum on the retractable tubing.

24. The method of claim 22 wherein the needle is inserted into a valve on the retractable tubing.

- 25. The method of claim 21 wherein the fluid is added to or removed from the gastric balloon using a tube having a shaped tip.
- 5 26. The method of claim 21 further comprising the step of releasing the retractable tubing after adding or removing fluid from the gastric balloon.
  - 27. The method of claim 26 wherein the retractable tubing retracts into the stomach of the patient.
- 28. The method of claim 27 wherein the retractable tubing retracts into the receiver.
  - 29. The method of claim 28 wherein the said retracting step is performed by a memory component of the retractable tubing.
  - 30. The method of claim 28 wherein said retracting step is performed by a torsionally loaded axle.
- 15 31. A method of treating obesity comprising the steps of: implanting a gastric balloon having a shell, a receiver, a valve preventing the undesired addition or elimination of fluid from the gastric balloon, and a retractable tubing housed in the receiver and extendable from the stomach of a patient to the mouth of the patient, wherein said shell is inflated and deflated from outside the body of the patient via the retractable tubing;

inflating the gastric balloon to a first desired level to promote acclimatization of the gastric balloon in the stomach and to minimize nausea in the patient;

periodically increasing the volume of the gastric balloon to subsequent desired levels known to minimize nausea and to achieve a continuous, regular, and safe rate of weight loss.

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- 32. The method of claim 31 further comprising the step of deflating the gastric balloon for removal upon cessation of treatment.
- 33. A method of implanting a gastric balloon comprising the steps of:
   30 providing a gastric balloon including a shell, a receiver, and a retractable tubing housed in the receiver and extendable from the stornach of a patient to the mouth of the patient;

removing the retractable tubing from the receiver to minimize the volume of the uninflated gastric balloon;

gastroscopically implanting the gastric balloon in the stomach of a patient while maintaining at least a portion of the retractable tubing outside the mouth of the patient;

inflating the gastric balloon to a desired level; and releasing the retractable tubing to promote retraction of the retractable tubing into the stomach of the patient.

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34. The method of claim 33 wherein upon retraction of the retractable tubing, the retractable tubing is returned to the receiver for storage.